

DETAILED ACTION

U.S.C. 101 requirement

Claim 1 meets the U.S.C. 101 guidelines since the process is tied to another statutory class (a particular machine or apparatus). Claim 1 would qualify as a statutory process since it positively recites the other statutory class (an IEEE 1394b data bus) to which it is tied to. Identifying the apparatus (an IEEE 1394b data bus) accomplishes the method steps. In claim 1, lines 2-3, recites receiving a data stream from an **IEEE 1394b data bus** and appending to each data byte a data type and transmitting it over a second physical transmission medium. This step positively ties the method claim to a statutory class (an IEEE 1394b data bus), the step of receiving a data stream from an **IEEE 1394b data bus** and appending to each data byte a data type and transmitting it over a second physical transmission medium is tied to a statutory class (an IEEE 1394b data bus).

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Lori Gordon (Registration No. 50633) on 4 June 2009. Discussed including the IEEE 1394b bus with the 8 bit byte and appending the 2 bit data

identification to the byte in the independent claims 1, 8, and 16. Attorney authorized and agreed on the changes thorough the claims.

As per currently amended claims 1, 4, 7, 8, 9, 11, 12, 16, and 19, please insert the following amendment.

In claim 1, line 3, "first communications standard" has been replaced by -- first communications standard sub-layer of an IEEE 1394b data bus including an 8-bit data byte--.

In claim 1, line 4, "each byte" has been replaced by --each data byte--.

In claim 1, line 4, "a data type" has been replaced by --a 2-bit data type--.

In claim 1, line 6, "byte" has been replaced by --data byte--.

In claim 4, line 1, "comprises" has been changed to --further comprises--.

In claim 4, line 2, remove "appending a first 2-bit DTID to each data byte".

In claim 7, line 5, "each byte" has been replaced by --each data byte--.

In claim 8, line 4, "first transmission medium for appending a DTID to each byte" has been replaced by -- first transmission medium of an IEEE 1394b data bus for appending a 2-bit DTID to each 8-bit data byte --.

In claim 8, line 5, " byte" has been replaced by --data byte--.

In claim 9, line 2, "FIFO buffers" has been replaced by --FIFO buffer--.

Calim 11 has been canceled.

In claim 12, line 1, "claim 11" has been replaced by --claim 8--.

In claim 16, line 2, *first communications standard* has been replaced by --first communications of an IEEE 1394b standard--.

In claim 16, line 6, *first communications standard* has been replaced by -- IEEE 1394b standard including an 8-bit data byte--.

In claim 16, line 7, *a data type* has been replaced by --a 2-bit data type--.

In claim 16, line 7, *each byte* has been replaced by --each data byte--.

In claim 19, line 1, *claim 18* has been replaced by --claim 16--.

In claim 19, line 2, *each byte* has been replaced by --each data byte--.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

The prior art fails to show or fairly suggest the combination of appending a 2-bit data identification to each byte for identifying a class of data and rate matching in an IEEE 1394b bus for matching to a second bit rate and transmitting it in accordance to a second communications standard over a second physical transmission medium.

Conclusion

Other closer prior art made of record are Smith et al. (US 6813651) and Wallace (US 6822946 B1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDULLAH RIYAMI whose telephone number is (571)270-3119. The examiner can normally be reached on Monday through Thursday 8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on (571) 272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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